

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9-13-85	
Company El Paso Natural Gas						Connection	
Pool Basin						Formation Dakota	
Completion Date 9-13-85		Total Depth 8027		Plug Back TD 8014		Elevation 6771 GL	
Csg. Size 4.500		Wt. 10.5		Set At 8025		Perforations: From 7812 To 7921	
Teg. Size 1.900		Wt. 2.9		Set At 7982		Perforations: From To	
Type Well - Single - Fractured - G.G. or G.O. Multiple Single						Packer Set At None	
Producing Thru Tbg.		Reservoir Temp. °F a		Mech Annual Temp. °F		Baro. Press. - P _a 12	
L		H		G _g .700		% CO ₂	
				% N ₂		% H ₂ S	
				Prover		Meter Run	
						Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
1.			.750	117		60	7 Days
2.							3 Hrs.
3.							
4.							
5.							
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcd
1	12.365		129	1.000	.9258	1.017	1502
2							
3							
4							
5							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
2					Specific Gravity Separator Gas _____ X X X X X X X X		
3					Specific Gravity Flowing Fluid _____ X X X X X		
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.		
5					Critical Temperature _____ R _____ R		
P _r 2127 P _w 4524129							
NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{4524129}{3590973}$		
1		966	933156	3590973	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1892$		
2							
3							
4					ACF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1786$		
5							
Absolute Open Flow 1786					Mcd @ 15.025		Angle of Slope @ _____
Remarks: Gas vented during test 313 MCF.							
Approved by Commission:		Conducted By: John Easley		Calculated By: Cliff Brock		Checked By: kld	

RECEIVED
SEP 18 1985
OIL CON. DIV.
DIST. 3